



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090040-B

Mode: Highway

Status: Submitted

(New Route - Airport Connector)

From/Cross Street: NC 150

Specific Improvement Type: 5 - Construct Roadway on New Location

To: I-73

Project Category: Regional Impact

Length: 5.43

TIP#: -

Fully Funded in Draft STIP? No

Cost to NCDOT: \$102,789,000

Description:

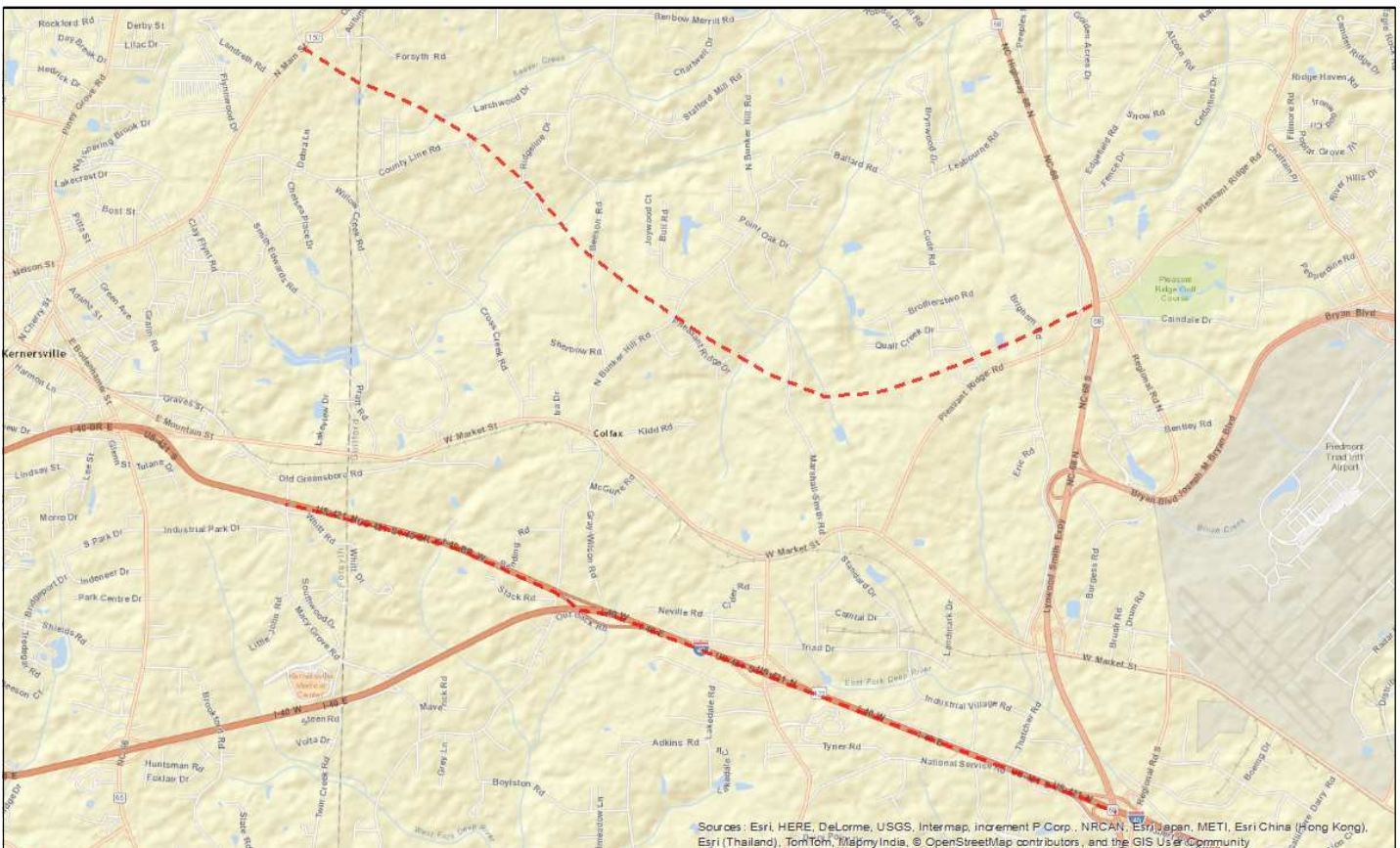
Construct 6 Lane Superstreet on New Location

Division(s): Division 7, Division 9

County(s): GUILFORD, FORSYTH

MPOS(s)/RPO(s): Greensboro Urban Area MPO, Winston Salem Urban Area MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 45.84

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Accessibility / Connectivity (10%) 52.90	Percent: 15%	Percent: 15%
Congestion (V/C) (25%) 71.82	Points: 0	Points: 93
Safety (10%) 39.38		
[Travel Time] Benefit/Cost (25%) 0.00		
Totals: Weight: 70% Weighted Score: 31.89		

Division Needs Total Score: 18.3

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 71.82	Percent: 25%	Percent: 25%
Safety (10%) 39.38	Points: 0	Points: 0
[Travel Time] Benefit/Cost (20%) 0.00		
Totals: Weight: 50% Weighted Score: 18.3		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	63
Length (miles):	5.19
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	11
Roadway has Curb & Gutter?	No
Volume (AADT):	79352.93
Capacity:	118781.21
Volume/Capacity Ratio:	0.67
% Autos:	91%
% Trucks:	9%
Truck Volume:	6956.01
Crash Density:	27.07
Crash Severity:	66.34
Critical Crash Rate:	24.75
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	19
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	85
Actual Congested Speed:	62.39
Travel Time Index:	1.01

Project Benefits

Project Cross-Section:	6A - 6 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	5.43
Facility Type:	Superstreet
Access Control:	Limited
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	-17009626.06
Travel Time Savings for 30 Years (Autos):	-15518576.65
Travel Time Savings for 30 Years (Trucks):	-1491049.41
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 7

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT OnLine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 7	93%	0	0
Division 9	7%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Greensboro Urban Area MPO	93%	93	0
Winston Salem Urban Area MPO	7%	0	0
	0%	0	0
TOTAL MPO/RPO Points		93	0

Project Cost and Source

Construction Cost:	\$82,644,000	Cost Estimation Tool
Right-of-Way Cost:	\$17,987,000	Cost Estimation Tool
Utilities Cost:	\$2,158,000	Cost Estimation Tool
Total Project Cost:	\$102,789,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$102,789,000	